

consists an aqueous acidic solution containing a monobasic iodide salt, an organic acid, at least one oxidizing agent and an inorganic buffer comprising phosphate salts.

More particularly, the monobasic iodide salt comprises at least about 0.01 to 0.5% by weight of the composition. The organic acid comprises at least about 0.1 to 1.0% by weight of composition. The oxidizing agent comprises at least about 0.02 to 0.5% by weight of composition and the composition is buffered to a pH between 2 and 5. The composition precludes persulfate salts since they react with the iodide salt and cannot be packed together.

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Preferably the composition of the present invention is dissolved in water to equal one liter prior to use--.

On page 9, delete lines 1-6. One page 9 after line 11, insert:

--The present invention provides an antimicrobial composition for removing biofilm from a medical water line comprising an aqueous acidic solution containing an effective amount of a monobasic iodide salt, an effective amount of an organic acid, an effective amount of at least one oxidizing agent and an inorganic phosphate buffer. Preferably, the pH of the solution is about 2 to 5, is utilized in an effective amount to remove biofilm material and the oxidizing agent is free of persulfate salts.

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More particularly, the composition comprises a monobasic iodide salt which is an alkali material salt, preferably sodium or potassium iodide in an amount of at least about 0.01% to 0.5% by weight, more preferably about 0.01 to 0.1%. The composition contains an organic acid containing up to three carboxylic acid groups having up to six carbon atoms, preferably selected from the group consisting of citric acid, ascorbic acid, and oxalic acid in an amount of about 0.1 to 1% by weight, preferably 0.1 to 0.5%.

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The oxidizing agent is the alkali metal salt of a perborate or percarbonate or urea hydroxy peroxide which is present in an amount of at least about 0.001 to 0.01% by weight of a member selected from the group consisting of sodium percarbonate, sodium perborate and urea hydrogen peroxide and mixtures thereof.

The inorganic phosphate buffer comprises a mono or dibasic potassium hydrogen phosphate in an amount to provide a pH between about 2 to 5.

A preferred composition for removing biofilm from a medical unit water line consists essentially of about 0.025% by weight of sodium iodide, about 0.16% by weight of citric acid and about 0.005% by weight of a mono and/or dibasic alkali metal salt of hydrogen phosphate, preferably, sodium perborate and potassium hydrogen phosphate salt, and a pH of about 3.5.

It is understood that the percents stated herein are by weight of composition unless indicated otherwise.--

On page 13, rewrite lines 16-22 as follows:

--Results: Biofilm water samples of the evaluated DUWLs demonstrated a mean count of -2,000,000 CFU/ml. Disinfection of DUWL with CIPP225 dramatically reduced cultivable bacteria by 5-6 logs, and with one exception, to <100 CFU/ml. SEMs of untreated DUWLs demonstrated mature biofilm comprises of multi-layered microcolonies including: curved rods, cocci, spirochetes and matrix material. This study has been published in Sanford et al, 1999 OSAP Annual Symposium Infection Control Interation, June 23-27, 1999 Cincinnati, Ohio.

On page 13, rewrite lines 26-28 to read as follows: